Sumanta Kumar Meher

List of Publications by Year
in descending order

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25 papers	3,275 citations	394421 19 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	4311 citing authors

#	Article	IF	Citations
1	Ultralayered Co₃O₄ for High-Performance Supercapacitor Applications. Journal of Physical Chemistry C, 2011, 115, 15646-15654.	3.1	902
2	Microwave-Mediated Synthesis for Improved Morphology and Pseudocapacitance Performance of Nickel Oxide. ACS Applied Materials & Interfaces, 2011, 3, 2063-2073.	8.0	416
3	Nanoscale morphology dependent pseudocapacitance of NiO: Influence of intercalating anions during synthesis. Nanoscale, 2011, 3, 683-692.	5.6	280
4	Tuning of Capacitance Behavior of NiO Using Anionic, Cationic, and Nonionic Surfactants by Hydrothermal Synthesis. Journal of Physical Chemistry C, 2010, 114, 5203-5210.	3.1	276
5	Effect of Microwave on the Nanowire Morphology, Optical, Magnetic, and Pseudocapacitance Behavior of Co₃O₄. Journal of Physical Chemistry C, 2011, 115, 25543-25556.	3.1	240
6	Pine-cone morphology and pseudocapacitive behavior of nanoporous nickel oxide. Electrochimica Acta, 2010, 55, 8388-8396.	5.2	186
7	Archetypal sandwich-structured CuO for high performance non-enzymatic sensing of glucose. Nanoscale, 2013, 5, 2089.	5.6	167
8	Enhanced activity of microwave synthesized hierarchical MnO2 for high performance supercapacitor applications. Journal of Power Sources, 2012, 215, 317-328.	7.8	147
9	Polymer-Assisted Hydrothermal Synthesis of Highly Reducible Shuttle-Shaped CeO₂: Microstructural Effect on Promoting Pt/C for Methanol Electrooxidation. ACS Catalysis, 2012, 2, 2795-2809.	11.2	141
10	Morphology-Controlled Promoting Activity of Nanostructured MnO₂ for Methanol and Ethanol Electrooxidation on Pt/C. Journal of Physical Chemistry C, 2013, 117, 4888-4900.	3.1	94
11	Tuning, via Counter Anions, the Morphology and Catalytic Activity of CeO2 Prepared under Mild Conditions. Journal of Colloid and Interface Science, 2012, 373, 46-56.	9.4	52
12	Co₃O₄/NiCo₂O₄ Perforated Nanosheets for High-Energy-Density All-Solid-State Asymmetric Supercapacitors with Extended Cyclic Stability. ACS Applied Nano Materials, 2020, 3, 4241-4252.	5.0	50
13	Alcohol induced ultra-fine dispersion of Pt on tuned morphologies of CeO2 for CO oxidation. Applied Catalysis B: Environmental, 2013, 130-131, 121-131.	20.2	49
14	Sedgelike Porous Co₃O₄ Nanoarrays as a Novel Positive Electrode Material for Co₃O₄ || Bi₂O₃ Asymmetric Supercapacitors. ACS Applied Nano Materials, 2019, 2, 5573-5586.	5.0	46
15	Nature and catalytic activity of bimetallic CuNi particles on CeO2 support. Catalysis Today, 2012, 198, 140-147.	4.4	42
16	The rational design of hierarchical CoS₂/CuCo₂S₄ for three-dimensional all-solid-state hybrid supercapacitors with high energy density, rate efficiency, and operational stability. Sustainable Energy and Fuels, 2021, 5, 973-985.	4.9	39
17	Hierarchically Organized Ultrathin NiO Nanofibers/Highly Defectiveâ€rGO Heteronanocomposite: An Advanced Electrode Material for Asymmetric Supercapacitors. Advanced Materials Interfaces, 2019, 6, 1900889.	3.7	35
18	3D-heterostructured NiO nanofibers/ultrathin g-C3N4 holey nanosheets: An advanced electrode material for all-solid-state asymmetric supercapacitors with multi-fold enhanced energy density. Electrochimica Acta, 2020, 358, 136871.	5.2	28

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19	Metal Oxide Promoted Electrocatalysts for Methanol Oxidation. Catalysis Surveys From Asia, 2011, 15, 221-229.	2.6	22
20	Study of â€œNi-dopingâ€•and â€œopen-pore microstructureâ€•as physico-electrochemical stimuli towards the electrocatalytic efficiency of Ni/NiO for the oxygen evolution reaction. New Journal of Chemistry, 2020, 44, 17507-17517.	2.8	19
21	â€œWrappedâ€•nitrogen-doped defective reduced graphene oxide (ND-rGO): A virtual electron bed for enhanced supercapacitive charge storage in stepped-surfaced-NiCo2O4/ND-rGO||Bi2O3 asymmetric device. Electrochimica Acta, 2020, 338, 135819.	5.2	19
22	Ribbon-like Nickel Cobaltite with Layer-by-Layer-Assembled Ordered Nanocrystallites for Next-Generation All-Solid-State Hybrid Supercapatteries. Langmuir, 2022, 38, 3969-3983.	3.5	13
23	Novel nanostructured CeO 2 as efficient catalyst for energy and environmental applications. Journal of Chemical Sciences, 2014, 126, 361-372.	1.5	6
24	Hierarchically structured Î²-Ni(OH)2 clusters: a uniquely efficient aqueous phase pollutant adsorbent for multiple anionic dyes and heavy metal ions. Materials Today Chemistry, 2021, 22, 100551.	3.5	4
25	Column Study for Adsorption of Methylene Blue Dye using Azadirachta indica Adsorbent. Asian Journal of Water, Environment and Pollution, 2020, 17, 47-52.	0.5	2